

Bee T



Restriction Enzyme Digestion

To check if the two selected restriction enzymes can perform effective catalysis in the same solution

1. Mix DNA solution with the suitable amount of the master mix.

- a. **25.0 μ L reaction system**

20.0 μ L DNA solution
2.75 μ L 10x NEB CutSmart® Buffer
1.0 μ L of each restriction enzyme
1.25 μ L ddH₂O

-----**25.0 μ L** Total

- b. **50.0 μ L reaction system**

40.0 μ L DNA solution
5.5 μ L 10x NEB CutSmart® Buffer
1.5 μ L of each restriction enzyme
2.0 μ L ddH₂O

-----**50.0 μ L** Total

2. Pipette up and down in the EP tube.
3. Incubate: 37°C for 20min

